

IN THE CLAIMS:

Claims 1-26, 28, 37, 38 and 46-48 were previously cancelled. Claims 27, 29, 31, 39-43 and 52 are currently amended. Claims 30, 32-36, 44, 45 and 49-51 are carried forward, all as follows.

Claims 1-26 (Cancelled)

27. (Currently Amended) A method for threading a material web in a ~~web-processing machineprinting press~~ including:

providing at least a printing unit in said ~~web-processing machineprinting press~~;

providing a web receiving area in said ~~web-processing machineprinting press~~ and before, in a direction of web travel, said printing unit;

providing a web delivery area in said ~~web-processing machineprinting press~~ and after, in said direction of web travel, said printing unit;

providing a web threading path extending in said direction of web travel between said web receiving area and said web delivery area and through said printing unit in said ~~web-processing machineprinting press~~;

providing a web threading means ~~adapted~~belt for receiving a leading end of said material web;

attaching said leading end of said material web to said web threading belt;

using said web threading means ~~and~~belt for threading said leading end of said material web through said ~~web-processing machine and~~printing press from said web receiving area to said web delivery area during movement of said web threading

belt in a web threading direction during a web threading operation of said printing press;
providing a first web threading ~~means~~belt drive motor at said web receiving area before said printing unit ~~and having a first motor strength, said first web~~
~~threading belt drive motor selectively operating for driving said web threading belt in~~
~~said direction of said web travel and against said direction of web travel;~~

~~providing a second web threading ~~means~~belt drive motor at said web delivery area after said printing unit ~~and having a second motor strength, said second web~~~~
~~threading belt drive motor selectively operating for driving said web threading belt in said direction of said web travel and against said direction of web travel;~~

~~providing said second motor strength greater than said first motor strength;~~

~~regulating~~operating said first web threading ~~means~~belt drive motor in said web receiving area ~~at~~for applying a regulated first motor holdback torque ~~from~~ said first web threading means drive motor to said web threading belt during said web threading operation of said web threading belt for resisting said movement of said web threading belt and said attached material web through said printing press, and including said printing unit, in said direction of web travel;

~~regulating~~operating said second web threading ~~means~~belt drive motor ~~at~~in said web delivery area ~~at~~for applying a predeterminedregulated web threading speed ~~from~~ said second web threading belt drive motor to said web threading belt during said web threading operation of said web threading belt and said attached material web through said web processing machine printing press, and including said printing unit, in said direction of web travel;

setting said regulated motor holdback torque of said first web threading belt drive motor and setting said regulated web threading speed of said second web threading belt drive motor for pulling said web threading belt and said attached leading end of said material web through said printing press, and through said included printing unit, from said web receiving area and to said web delivery area in said direction of web travel at a selected speed and a particular web tension against said resisting torque of said first web threading belt drive motor; and

maintaining a constant said particular web tension in said material web during said pulling of said web threading operation belt and said attached material web through said web processing machine printing press during said web threading operation in said direction of web travel by regulating said operating of said second web threading speed of said second belt drive motor at said regulated web threading speed and by regulating said operating of said first web threading belt drive motor at said regulated motor holdback torque of said first drive motor; and for maintaining said selected material web threading speed and said particular web tension and for preventing deviations in said particular material web tension and tearing of said material web.

using said second web threading means drive motor and pulling said web threading means through said web processing machine and said included printing unit from said web receiving area to said web delivery area against said regulated motor torque of said first web threading means drive motor.

28. (Cancelled)

29. (Currently Amended) The method of claim 27 further including providing a frequency converter and using said frequency converter for regulatingoperating one of said first and second motors.

30. (Previously Presented) The method of claim 27 further including providing first and second reel bodies about which said threading means is alternately wound and unwound and using each of said first and second motors for driving respective ones of said first and second reel bodies.

31. (Currently Amended) The method of claim 30 further including regulatingoperating at least one of said first and second motors depending on a current diameter of at least one of said first and second reel bodies.

32. (Previously Presented) The method of claim 31 further including providing a control device and using said control device for determining a target value of a frequency load to said at least one of said first and second motors depending on said reel body current diameter.

33. (Previously Presented) The method of claim 31 further including determining said current reel body diameter depending on a number of layers of said threading means wound on said reel body and a thickness of said threading means and further depending on an initial diameter of said reel body.

34. (Previously Presented) The method of claim 33 further including providing a rotation sensor on one of said reel body and its drive, calculating a number of rotations of said reel body and using said number of rotations for determining said number of layers of said threading means wound on said reel body.

35. (Previously Presented) The method of claim 34 further including determining said number of rotations of said reel body in said receiving area.

36. (Previously Presented) The method of claim 34 further including determining said number of rotations of said reel body in said delivery area.

37-38 (Cancelled)

39. (Currently Amended) The method of claim 27 further including providing a rotary drive for at least one mechanically independent assembly of said web processing machine and correlating ~~controls~~ said operating of at least one of said first and second motors and said drive with respect to speed.

40. (Currently Amended) The method of claim 27 further including providing a material web reel changer in said web receiving area and having a reel changer drive and ~~controlling~~operating one of said first and second motors and said reel changer drive correlated with each other with respect to their speed by using a machine control.

41. (Currently Amended) The method of claim 27 further including providing a printing unit drive for said printing unit and further including ~~controlling~~operating said second motor and said printing unit drive correlated with each other with respect to speed by using a machine control.

42. (Currently Amended) The method of claim 27 further including providing a control device including a servo control and using said servo control for driving said first motor at said regulated motor holdback torque.

43. (Currently Amended) A device for threading a web of material into a web-processing machineprinting press comprising:

a printing unit in said web-processing machineprinting press;

a web threading device ~~adapted~~belt to receive a leading end of a web to be threaded through said web-processing machineprinting press;

a web threading path in said web-processing machineprinting press and along which said web threading device is ~~adapted to travel~~belt travels, said web threading path extending~~[],[]~~ in a direction of web travel, between a web receiving area before said printing unit and a web delivery area after said printing unit and through said printing unit and opposite to said direction of web travel;

a first web threading devicebelt drive motor in said web receiving area before said printing unit and having a regulable first motor ~~strength~~holdback torque and a second web threading devicebelt drive motor in said delivery area after said printing unit and having a second motor ~~strength~~ greater than ~~said first motor strength~~regulable

speed;

means for regulating to operate said first motor with respect to apply a regulated first motor holdback torque to said web threading belt during said threading of a said threading belt and an attached web of material along said web threading path in said direction of web travel, said first motor holdback torque being regulated to resist said movement of said web threading belt and said material web in said direction of web travel;

means for regulating to operate said second motor with respect to maintain a regulated second motor speed during said threading of a web of material along said web threading path and to maintain a constant tension in said web of material during said web threading, said second drive motor speed being adapted regulated to pull said web threading device belt and said attached web of material through said web processing machine and said included, printing unit at a selected material web threading speed against said resistance of said regulated holdback torque of said first web threading device drive motor applied to said web threading belt and to maintain said selected material web threading speed and said constant tension in said web to prevent deviations in said constant tension in said material web and tearing of said material web;

at least one mechanically independent assembly in said web processing machine and operating at an assembly speed;

a machine control device in said web processing machine and being usable to provide correlated speed relevant input signals to said second motor and to said at least one mechanically independent assembly to synchronize said speed of said

second motor and said assembly speed of said at least one mechanically independent assembly; and

an electronic guide axis for said machine control and being usable to provide said speed relevant input signals for said speed control of said second motor and for said assembly speed of said at least one mechanically independent assembly.

44. (Previously Presented) The device of claim 43 further including a control device usable to produce a frequency signal based on a predetermined threading speed, and a signal connection between said second motor and said control device.

45. (Previously Presented) The device of claim 44 wherein said machine control is adapted to provide said control device with a target value for said predetermined threading speed.

46-48 (Cancelled)

49. (Previously Presented) The device of claim 43 further including a first reel body in said receiving area and a second reel body in said delivery area, each of said first and second motors being adapted to drive a respective one of said first and second reel bodies.

50. (Previously Presented) The device of claim 49 further including a rotation sensor on one of said first and second reel bodies.

51. (Previously Presented) The device of claim 44 wherein said control device includes a calculating means usable to provide a frequency signal for said motor based on a predetermined threading speed and a number of rotations.

52. (Currently Amended) The device of claim 43 further including a control device usable to regulate said first motor with respect to said holdback torque.